

ABSTRACT OF THE DISCLOSURE

A computer system includes a web client having a client based program residing on it, a firewall having a protocol proxy residing on it, and a host server having an application program and a special window manager residing on it. All communications between the protocol proxy and the application program go through the special window manager. The web client communicates with the firewall through the Internet, and the firewall communicates with the host server through a LAN. The client based program employs HTTP, and the special window manager employs a persistent connection, socket-based protocol. The protocol proxy establishes and maintains a persistent connection with the special window manager, and communicates information back and forth between the client based program and the application program through the special window manager by first protocol translating the information between HTTP and the special window manager's persistent connection, socket-based protocol.